



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: **Toshio NARITA et al.**

Group Art Unit: **1753**

Serial No.: **10/501,813**

Filed: **April 5, 2005**

Confirmation No.: **6606**

For: **METHOD FOR FORMING Re ALLOY COATING FILM HAVING
HIGH Re CONTENT THROUGH ELECTROPLATING**

Attorney Docket Number: **042393**
Customer Number: **38834**

REQUEST FOR CORRECTED FILING RECEIPT

Mail Stop: Missing Parts
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Date: May 16, 2005

Sir:

Please supply the undersigned attorney with a corrected filing receipt for the above-identified application. The undersigned also respectfully requests that the Patent and Trademark Office records be amended to reflect the correction.

In reviewing the Official Filing Receipt, we noted an error in the Title. The Title should read --METHOD FOR FORMING Re ALLOY COATING FILM HAVING HIGH Re CONTENT THROUGH ELECTROPLATING--. Also, we noted the Assignee's Information was not recorded. The Assignee's Information should read --JAPAN SCIENCE AND TECHNOLOGY AGENCY, Kawaguchi-shi, JAPAN; EBARA CORPORATION, Tokyo, JAPAN; SAPPORO ELECTROPLATING INDUSTRIAL CO., LTD., Sapporo-shi, JAPAN--. Copies of the PCT Publication and the Transmittal Letter is enclosed which

Request for Corrected Filing Receipt

10/501,813

042393

indicate the correct information. We are also enclosing a copy of the filing receipt with the corrections highlighted.

In the event any fees are required in connection with this paper, please charge Deposit Account No. 50-2866.

Respectfully submitted,

WESTERMAN, HATTORI, DANIELS & ADRIAN, LLP

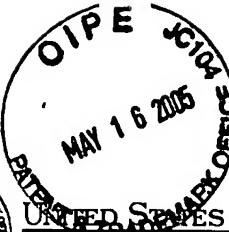


Sadao Kinashi

Attorney for Applicants
Registration No. 48,075
Telephone: (202) 822-1100
Facsimile: (202) 822-1111

SK/if

Enclosures: Official Filing Receipt; PCT publication; Transmittal Letter

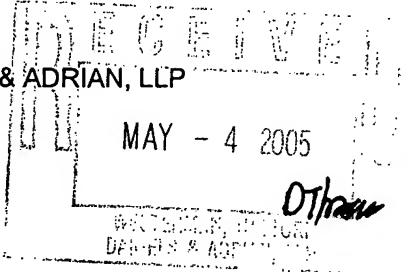


UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 www.uspto.gov

APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE RECD	ATTY.DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/501,813	04/05/2005	1753	1470	042393	3	7	2

38834
 WESTERMAN, HATTORI, DANIELS & ADRIAN, LLP
 1250 CONNECTICUT AVENUE, NW
 SUITE 700
 WASHINGTON, DC 20036



CONFIRMATION NO. 6606
 FILING RECEIPT



"OC000000015881839"

Date Mailed: 04/27/2005

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Toshio Narita, Hokkaido, JAPAN;
 Shigenari Hayashi, Hokkaido, JAPAN;
 Takayuki Yoshioka, Kanagawa, JAPAN;
 Hiroshi Yakuwa, Kanagawa, JAPAN; Assignment for Published Patent Application
 Michiaki Souma, Hokkaido, JAPAN; -- JAPAN SCIENCE AND TECHNOLOGY AGENCY, Kawaguchi-shi, JAPAN --
 Michihisa Fukumoto, Akita, JAPAN; -- EBARA CORPORATION, Tokyo, JAPAN --
-- SAPPORO ELECTROPLATING INDUSTRIAL CO., LTD, Sapporo-shi, JAPAN --

Please Insert ←

Power of Attorney: The patent practitioners associated with Customer Number 38834.

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/JP03/00354 01/17/2003

Foreign Applications

JAPAN 2002-10665 01/18/2002
 JAPAN 2002-10811 01/18/2002

Projected Publication Date: 08/04/2005

Non-Publication Request: No

Early Publication Request: No

Title

Method for forming -re- alloy coating film having high -re- content through electroplating

;-Re-;

;-Re-;

Preliminary Class

205

**LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15**

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

- This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.
- The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

U.S. DEPARTMENT OF COMMERCE, PATENT AND TRADEMARK OFFICE		DATE: July 19, 2004
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED TRADE OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		U.S. APPLN. NO. (if known):
INTERNATIONAL APPLICATION NO.: PCT/JP03/00354	INTERNATIONAL FILING DATE: JANUARY 17, 2003	PRIORITY DATE CLAIMED: JANUARY 18, 2002
TITLE OF INVENTION: METHOD FOR FORMING HIGH-Re-CONTENT ALLOY FILM THROUGH ELECTROPLATING PROCESS		
APPLICANT(S) FOR DO/EO/US: Toshio NARITA, Shigenari HAYASHI, Takayuki YOSHIOKA, Hiroshi YAKUWA, Michiaki SOUMA and Michihisa FUKUMOTO		
Applicant hereby submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 USC 371(f)). The submission must include items (5), (6), (9) and (17) indicated below.</p> <p>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)):</p> <p>a. <input type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).</p> <p>b. <input checked="" type="checkbox"/> has been transmitted by the International Bureau.</p> <p>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)</p> <p>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).</p> <p>a. <input checked="" type="checkbox"/> is attached hereto.</p> <p>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p> <p>a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).</p> <p>b. <input type="checkbox"/> have been transmitted by the International Bureau.</p> <p>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p>d. <input checked="" type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p>		
ITEMS 11. TO 16. BELOW CONCERN OTHER DOCUMENT(S) OR INFORMATION INCLUDED:		
<p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98 together with the international search report, PTO-1449 and 4 references.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. ASSIGNEES NAMES AND ADDRESSES: <u>(1) JAPAN SCIENCE AND TECHNOLOGY AGENCY, Kawaguchi-shi,</u> <u>(2) EBARA CORPORATION, Tokyo, Japan; and (3) SAPPORO ELECTROPLATING INDUSTRIAL CO., LTD.,</u> <u>Sapporo-shi, Japan</u> Please publish the assignee data with the application.</p> <p>13. <input type="checkbox"/> FIRST preliminary amendment.</p> <p>14. <input type="checkbox"/> A substitute specification.</p> <p>15. <input type="checkbox"/> A change of power of attorney and/or address letter.</p> <p>16. <input checked="" type="checkbox"/> Other items or information: 3 sheets of drawings.</p>		

(12)特許協力条約に基づいて公開された国際出願

(19) 世界知的所有権機関
国際事務局



(43) 国際公開日
2003年7月31日 (31.07.2003)

PCT

(10) 国際公開番号
WO 03/062501 A1

(51) 国際特許分類:

C25D 3/56

(21) 国際出願番号:

PCT/JP03/00354

(22) 国際出願日: 2003年1月17日 (17.01.2003)

(25) 国際出願の言語:

日本語

(26) 国際公開の言語:

日本語

(30) 優先権データ:

特願2002-10665 2002年1月18日 (18.01.2002) JP
特願2002-10811 2002年1月18日 (18.01.2002) JP

(71) 出願人 (米国を除く全ての指定国について): 科学技術振興事業団 (JAPAN SCIENCE AND TECHNOLOGY CORPORATION) [JP/JP]; 〒332-0012 埼玉県川口市本町4-1-8 Saitama (JP). 株式会社荏原製作所 (EBARA CORPORATION) [JP/JP]; 〒144-8510 東京都大田区羽田旭町11-1 Tokyo (JP). 札幌エレクトロプレイティング工業株式会社 (SAPPORO ELECTROPLATING INDUSTRIAL CO.,LTD) [JP/JP]; 〒063-0833 北海道札幌市西区発寒13条12丁目2-15 Hokkaido (JP).

(72) 発明者; および

(75) 発明者/出願人 (米国についてのみ): 成田 敏夫 (NARITA,Toshio) [JP/JP]; 〒001-0901 北海道札幌市北区新琴似1条9丁目7-8 Hokkaido (JP). 林重成 (HAYASHI,Shigenari) [JP/JP]; 〒060-0042 北海道札幌市中央区大通西18丁目1-36 インフィニート大通801 Hokkaido (JP). 吉岡 隆幸 (YOSHIOKA,Takayuki) [JP/JP]; 〒238-0313 神奈川県横須賀市武3丁目11-14ハイツヤマト201 Kanagawa (JP). 八戸 浩 (YAKUWA,Hiroshi) [JP/JP]; 〒251-0862 神奈川県藤沢市稻荷1-10-19-401 Kanagawa (JP). 相馬 道明 (SOUWA,Michiaki) [JP/JP]; 〒063-0826 北海道札幌市西区発寒6条5-2-21 コーポ6条201 Hokkaido (JP). 福本 倫久 (FUKUMOTO,Michihisa) [JP/JP]; 〒010-0851 秋田県秋田市手形字扇田36-3 タウニイ手形103 Akita (JP).

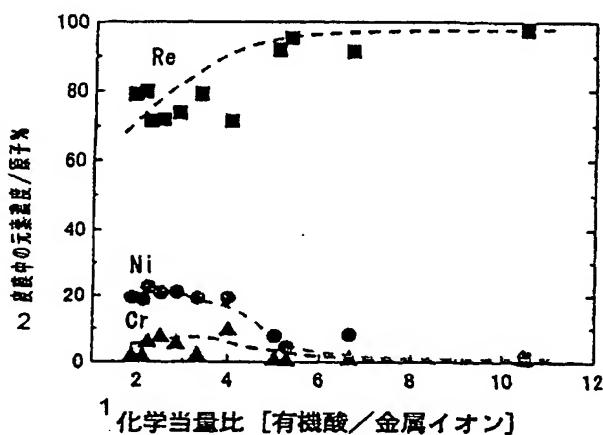
(74) 代理人: 西 義之 (NISHI,Yoshiyuki); 〒235-0036 神奈川県横浜市磯子区中原4-26-32-211 西特許事務所 Kanagawa (JP).

(81) 指定国 (国内): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU,

[続葉有]

(54) Title: METHOD FOR FORMING Re ALLOY COATING FILM HAVING HIGH Re CONTENT THROUGH ELECTROPLATING

(54) 発明の名称: 電解めっきによる高濃度Re合金皮膜の形成方法



1...CHEMICAL EQUIVALENT RATIO [ORGANIC ACID/METAL ION]

2...CONTENT OF ELEMENT IN COATING FILM/ATOMIC %

(57) Abstract: A method for forming a Re alloy coating film having a high Re content such as a Re coating film having a Re content of 98 atomic % or more, an alloy coating film containing Re in a content of 65 % \leq Re $<$ 98 % and at least one of Ni, Fe and Co, or the like, which comprises using an electroplating bath comprising an aqueous solution containing, a perrhenate ion, at least one of ions of Ni, Fe, Co, Cr and the like and further at least one selected from a Li ion and a Na ion. The formation of a Re alloy coating film having a high Re content being used as a corrosion-resistant alloy coating film for a member of a high temperature device through an electroplating using an aqueous solution has allowed the impartation of high heat resistance and corrosion resistance also to a member of a device having a complicated shape, with ease and at a low cost.

[続葉有]

WO 03/062501 A1